

AMENDMENTS TO THE SPECIFICATION

On page 1, paragraph beginning on line 25 and commencing on page 2,

Referring to Figs. 1A and 1B, a ground plane 13 is formed on a lower dielectric board 15 and has a slot 14 on an opposite side to a dielectric board 12 such as a printed circuit board (PCB) and a feedline 16 is placed under the dielectric board 15. A radiating patch 11 is formed on an upper dielectric board such as a PCB and a conductor placed under the upper dielectric board 12 is completely removed.

On page 4, paragraph beginning on line 24 and commencing on page 5,

The ~~microstrip~~microstrip feedline 24 is formed under the dielectric layer 23. The ground conductor 21 is placed on the dielectric layer 23 and electromagnetically coupled to the microstrip feedline 24 through a slot. The reflection plane 25 is located under the microstrip feedline 24 and prevents board surface waves from being radiated. An open part having predetermined length and depth is located between the microstrip feedline 24 and the reflection plane 25 because the microstrip feedline 24 and the reflection plane 25 must not contact each other.

On page 5, paragraph beginning on line 7,

It is preferred that the dielectric layer 23 under which the ~~microstrip~~microstrip feedline 24, the ground conductor 21 having the slot 22 and the reflection plane 25 are exactly aligned with each other in order to obtain enhanced coupling efficiency and the ground conductor 21 is made of red brass in order to easily coat gold on the surface of the ground conductor 21.

On page 5, paragraph beginning on line 4 and commencing on page 6,

Therefore, a linear-polarized wave having advanced coupling efficiency is obtained by exactly aligning the reflection plane 25, the dielectric layer 23 and the ground conductor 21 having single slot. Also, if multi-resonance occurs, broadband antenna characteristics are obtained. A resonance frequency is controlled by varying a height of the reflection plane 25 and a length of a tip part 26 of feedline 24.